09/831690

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SEQUENCE LISTING

<110> Carson, Monica J
       Sutcliffe, J. Gregor
       Almazan, Melissa T.
       Tobal, Gabriela M.

<120> Gene Expression Modulated By Activation of Microglia Or Macrophages

<130> 98,634-A

<150> US 60/108,259
<151> 1998-11-12

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<170> PatentIn version 3.1

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tgacttattt ccctcgggtc cccactagag gatcgaggct agatgccttg tgagaaatgc     180

ctttgagttt actgtcccca acgtttttat aatattgtat ataagactat gaccgattgt     240

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taaggcaact gtggccaata tttatatcat gacatacaaa tggatttacg tatttgactg     180

aaatgaaagt tccactaaac ggtatttgct cttgtgatat gtggcacatt gtgatatttt     240

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tctcgatgtt ggttaactaa tttttgccag gaccattatt gatcaaggaa anaaattcaa     180

cagccatttg agaataaaaa                                                 200


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<213>  Mus musculus

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tttcatggat tgagaatgct tagaggtttt gtttgtttgt ttgattgatt tgtttttttg     180
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aagaaataaa tgatagatga ataaacttcc aggaaaaa   218

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tctagtatta ataaatatta gcccaccaac agctaccatt acatttatta ttttacttct   120

actcacaatt ctagaatttg cagtagcatt aattcaagcc tacgtattca ccctcctagt   180

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aaagattgga gctgaagacc ttaagtgctt gctttttgcc ctctgaccag ataacattag   120

aactatctgc attatctatg cagcatgggg tttttattat ttttacctaa agatgtctct   180

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<210> 8
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<212> DNA
<213> Mus musculus

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gtaaatgtgg gaatgtttgt aacttgtgtt tgtatctaat gtcgatcccc ttaggtggtt   120

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gtactataat tcatttttgt tgtaaacttc agcctaagat aaatgtacat ctgcttttgt      180

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aacactgagg gacatctgta gcctgtcagc tccatgctac cctgacctgc aactcctcac      180

ttccacactg agaataataa tttgaatgta accttgattg ttatcatctt gacctaaggc      240

tgatttcttg ttaatttcat ggattgagaa tgcttagagg ttttgtctgt ttgtttgatt      300

gatttgtttt tttgaagaaa taaatganag atgaataaac tcccaaaatg aaaaa           355
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accctgctgt cccagcagtc tggcaactcc taaggcggcc ctggcattgg cttggtgatt      180

actggctgca ctctgggggg cggttcttcc atgatggtgt ttcctctaaa tttgcacgga      240

gaaacacctg atttccagga aaatcccctc agatgggcgc tggtcccatc cattcccgat      300

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<210> 11
<211> 361
<212> DNA
<213> Mus musculus

<400> 11
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attatattct cagggactgc atgcaatgta acattactgg ttggttctgc caattttcct     120

cttggtattt ataaaggaaa accaaaactc ttggtcagag acaatatgca aaacagagat     180

gtcaagtact atgtccaaat actgtgaaat atagtgagaa ataggtaaca aatttatcaa     240

tcaactatgt ttggatccag ggaatctcaa gttattcaat tcattctctg taagcctttg     300

tctctctctt catccagact tttgccttca aatacaagca tgcgctattt tctgggaaaa     360

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<212> DNA
<213> Mus musculus

<400> 12
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cgaagtgctc tgtagatttt tttgatgaat gttttatgct tgcatttaaa cctgaaatgt     120

gtgagcagaa tgagacaatc tttacaatca gaattgagaa gtgttacaat tgaatggcct     180

tgtgctgtag caataaaatg accaagtgca atgactttaa taaaatcatc cttcaaacgc     240

aaaaa                                                                 245
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<211> 264
<212> DNA
<213> Mus musculus

<400> 13
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gaagaccaaa agacttgtta ccaagcagat tgaatggcca gtggtgaaag acctgccaac     120

ctgtcaggtt agcgtcaggc agttacaaag tctgttggtg ttaaaaagta acagagcaaa     180

tgttcaaaag tgaaatttta tttatgggaa ttcagtgatt ccaacttgta tcacaccagt     240

taataaatgt gaagtcttca aaaa                                            264
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<211>  192
<212>  DNA
<213>  Mus musculus

<400>  14
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ttcatatcct tcaaaagtta cagaactgtg tcttaagaga attatttata gttactataa     120

ctgaattgac aaatgtcgac ttaactgata aattatattt ggtaaaataa aatggaagtt     180

tatttcgaaa aa                                                         192


<210>  15
<211>  375
<212>  DNA
<213>  Mus musculus

<400>  15
ccgggttcaa ccgcgtgaag gtttcccagg cagctgcaga cttgaaacag ttctgtccgc      60

agaatgctca acatgaccct ctgctgactg gagtgtcttc aagtacgaat cccttcagac     120

cccagaaagt ctgctccttt ttgtagtcac ctatcttgag gtttctcaaa ccacttttca     180

tgaaccagtg aatattcaag agaactaaat ttgaagtctg tacaaaagct tctctttaac     240

acgtgccata atacactatc ttctgctcgt cagtccttaa catctacctc tctgaatttc     300

atggatttct gtctcacaag gtttaactat tttatataca ctggctgtag catacaataa     360

agcatcatac aaaaa                                                      375


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<220>
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<223>  N stands for A, C, G or T


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ggcaccatcc gtggggattt ctgcattcaa gttggcagga acatcattca tggcagtgat   180

tcagtggaga gtgctgagaa agagatccat ctgtggttta gcccgaaga actgatcgac   240

tacaagtctt gtgcccatga ctgggtgtac gagtagacat gaagaaacca gaatcctttt   300

cagcactact gatgggtttc tggacagagc tcttcatccc actgacagga tggatcatct   360

tttctaaaac aataaagact ttggnantga ntaaaaa   397

<210> 17
<211> 231
<212> DNA
<213> Mus musculus

<400> 17
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atttctgagt ttgaggccag cctggtctac agagtgagtt cgaggacaac cagggctaca   120

cagagaaacc ctgtctcgaa aaccaaaaac aaaaaaaaaa gaactccagt taagacttct   180

aataccaaat tctcttgcaa gttatgaaaa taaagtatat aaamcgaaaa a   231

<210> 18
<211> 317
<212> DNA
<213> Mus musculus

<400> 18
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gctgtggagt gctgcttatg gggagaatgt gctgaaaaaa gcatgagcct tcctgccaag   120

gattgctgac aaactgctct tgattgtttc tttaaggaac tgctttctct ccctgactcc   180

tctgctcatc ctagccatac aattttccag tcagcaaacc tcattactaa tcatgtaggg   240

aatggagctt aaagcagaca gagcaccttt tgatcacatt ttttttctct gcaataaatg   300

acaactccca acaaaaa   317

<210> 19

<211> 232
<212> DNA
<213> Mus musculus

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atttctgagt ttgaggccag cctggtctac agagtgagtt cgaggacaac cagggctaca   120

cagagaaacc ctgtctcgag aaccaaaaac aaaaaaaaag aactccagtt aagacttcta   180

ataccaaatt ctcttgcaag ttatgaaaat aaagtatata aaaggacaaa aa   232

<210> 20
<211> 211
<212> DNA
<213> Mus musculus

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tctagtatta ataaatatta gcccaccaac agctaccatt acatttatta ttttacttct   120

actcacaatt ctagaatttg cagtagcatt aattcaagcc tacgtattca ccctcctagt   180

aagcctatat ctacatgata atacacaaaa a   211

<210> 21
<211> 216
<212> DNA
<213> Mus musculus

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ttctccagtc taacccgcct gatgtgcatc tactatttcc aggagagtct gctcccagac   120

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gaaacgcaaa ataaagaggt ggctttcgca taaaaa   216

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<222> (267)..(267)
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gctcatggca gccatgtgga ctgctggctg cacacgtcgt tgcctgttca ggaggccanc     180

ctttgtgacc tcctggagca gcgagacccc actggtcacc tttccctcca ngacaaccgt     240

ctgaagctca cttttttctcc cttccangtg anatccctat tgcntgtgct tcagtctcca    300

ccaanctgag tcgtgactgg atagctttgn ggagttcctc atttccacct ccctatnccc     360

ggtngcatct ttgtnctgta                                                 380


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<212>  DNA
<213>  Mus musculus

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agcgagaact gtgagcactt tgtgaatgaa ctacgctatg gagttcctcg gagtgatcag     120

gtcagagatg cggtcaaggc ggtaggcatc gctggagtgg gcttggcggc cttgggcctc     180

gttggagtca tgctctccag aaacaagaaa cagaagcaat gagctgaatg actgcccagt     240

ttttgggctc ctcttttgct agagggtttg gagtttgatt tatagattct attgctttat     300

aattaggttt attttcacaa catacaataa accacaagaa aggaaaaa                  348


<210>  24
<211>  335
<212>  DNA
<213>  Mus musculus

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agtggaaaca tttctgcaca aactagatgt tgatgccagt gtgcggaaat gcttctgcta     120
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catttgtagg gtttgcctgc attctttgga tcctgcatta gcaagtgaag gtagcacata    180

tatctggggc gttttctgtg tttattggtg taaatttcaa ttttacagtt gaaattttat    240

gtttgtgatg cttggatatt ttccttgaaa tgtataaaca tgtaaaaatt agattactgc    300

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<212>   DNA
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cctacctggt acggactgtg tgcggccaca tcatatttgt ggttccaaaa atttgtacgt    120

cggacaccca tcatgtgaag taaggagcct gttcccaaca accataaaat aaagatcttg    180

ctatgcaaaa a                                                         191
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<210>   26
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<212>   DNA
<213>   Artificial Sequence
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<223>   V stands for A, C or G
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<223>   N stands for A, C, G or T
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<212>   DNA
<213>   Artificial Sequence
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<223> Description of Artificial Sequence: 5' RT primer

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aggtcgacgg tatcgg   16

<210> 28
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
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<223> N stands for A, C, G or T

<400> 28
ggtcgacggt atcggn   16

<210> 29
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
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gagctccacc gcggt   15

<210> 30
<211> 16
<212> DNA
<213> ·Artificial Sequence

<220>
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<210> 31

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<220>
<223>  Description of Artificial Sequence:  5' PCR primer with parsing b
       ases G-T-T-C

<400>  31
cgacggtatc gggttc                                                   16


<210>  32
<211>  16
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  5' PCR primer with parsing b
       ases G-T-T-G

<400>  32
cgacggtatc gggttg                                                   16


<210>  33
<211>  16
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  5' PCR primer with parsing b
       ases A-A-G-T

<400>  33
cgacggtatc ggaagt                                                   16


<210>  34
<211>  16
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<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:  5' PCR primer with parsing b
       ases A-G-G-T

<400>  34
cgacggtatc ggaggt                                                   16


<210>  35
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<213>  Artificial Sequence
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<220>
<223>   Description of Artificial Sequence: 5' PCR primer with parsing b
        ases A-C-A-A

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<210>   36
<211>   16
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        ases T-A-T-A

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<210>   37
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        ases T-T-G-G

<400>   37
cgacggtatc ggttgg   16

<210>   38
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<220>
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        ases T-G-T-G

<400>   38
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<210>   39
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        ases T-C-A-T

<400>  39
cgacggtatc ggtcat                                                      16


<210>  40
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       ases T-C-G-G

<400>  40
cgacggtatc ggtcgg                                                      16


<210>  41
<211>  30
<212>  DNA
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<220>
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       ne MM_11

<400>  41
gatcgaatcc ggaggtacgt gagagaattc                                       30


<210>  42
<211>  30
<212>  DNA
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<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for clo
       ne MM_12

<400>  42
gatcgaatcc ggacaagtgt ggccacagga                                       30


<210>  43
<211>  30
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<220>
<223>  Description of Artificial Sequence:  extended TOGA primer for clo
       ne MM_13

<400>  43
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gatcgaatcc ggacgtgact gtgggtgttg   30

<210>   44
<211>   30
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   Description of Artificial Sequence: extended TOGA primer for clo
         ne MM_14

<400>   44
gatcgaatcc ggtatacaac atccacttta   30

<210>   45
<211>   30
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   Description of Artificial Sequence: extended TOGA primer for clo
         ne MM_15

<400>   45
gatcgaatcc ggtagcctgt cagctccatg   30

<210>   46
<211>   30
<212>   DNA
<213>   Artificial Sequence

<220>
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         ne MM_16

<400>   46
gatcgaatcc ggtttacagc taacattact   30

<210>   47
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<213>   Artificial Sequence

<220>
<223>   Description of Artificial Sequence: extended TOGA primer for clo
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<400>   47
gatcgaatcc ggtttggtca tccaacaggg   30

<210> 48
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for clo
ne MM_18

<400> 48
gatcgaatcc ggttggcaca gccatcaact   30

<210> 49
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<212> DNA
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<220>
<223> Description of Artificial Sequence: extended TOGA primer for clo
ne MM_19

<400> 49
gatcgaatcc ggtgagccta tggactcaat   30

<210> 50
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for clo
ne MM_20

<400> 50
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<210> 51
<211> 30
<212> DNA
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<223> Description of Artificial Sequence: extended TOGA primer for clo
ne MM_21

<400> 51
gatcgaatcc ggtcatgtat tgtatccatg   30

<210> 52
<211> 30
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<213>   Artificial Sequence

<220>
<223>   Description of Artificial Sequence: extended TOGA primer for clo
         ne MM_22

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<210>   53
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<220>
<223>   Description of Artificial Sequence: extended TOGA primer for clo
         ne MM_23

<400>   53
gatcgaatcc ggtcggtttg cccagatcgt   30

<210>   54
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<212>   DNA
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<220>
<223>   Description of Artificial Sequence: extended TOGA primer for clo
         ne MM_26

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gatcgaatcc gggttgcacc tattgcatgt   30

<210>   55
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<220>
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         ne MM_27

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gatcgaatcc gggttcaacc gcgtgaaggt   30

<210>   56
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<220>

<223> Description of Artificial Sequence: extended TOGA primer for clo
ne MM_28

<400> 56
gatcgaatcc ggggctggtg aagtacatga   30

<210> 57
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for clo
ne MM_29

<400> 57
gatcgaatcc gggcatggtg gcgcacgggt   30

<210> 58
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for clo
ne MM_3

<400> 58
gatcgaatcc ggaagtgtgt cagagtgcag   30

<210> 59
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for clo
ne MM_30

<400> 59
gatcgaatcc gggcgtggtg gcgcacgggg   30

<210> 60
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for clo
ne MM_32

<400> 60
gatcgaatcc ggcatacagc taacattact   30

<210> 61
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for clo
      ne MM_38 .

<400> 61
gatcgaatcc ggcggccacc caacaacttt   30

<210> 62
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for clo
      ne MM_40

<400> 62
gatcgaatcc ggcccctgac accatctgga   30

<210> 63
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for clo
      ne MM_7

<400> 63
gatcgaatcc ggatcatcca gcgggctgag   30

<210> 64
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for clo
      ne MM_6

<400> 64
gatcgaatcc ggatggcaac cagatgattg   30

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<210>   65
<211>   30
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   Description of Artificial Sequence:   extended TOGA primer for clo
        ne MM_37

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gatcgaatcc ggcgggccca tcggaggaca                                        30


<210>   66
<211>   30
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   Description of Artificial Sequence:   extended TOGA primer for clo
        ne MM_9

<400>   66
gatcgaatcc ggagtccagt ggcctcccca                                        30


<210>   67
<211>   252
<212>   DNA
<213>   Mus musculus

<400>   67
atggccgagc ttggtgaagc ggacgaagcg gagttacaac gcctggtggc cgccgaacag       60

cagaaggcgc aattcactgc gcaggtgcat cacttcatgg aactatgttg ggataagtgt      120

gtggagaagc caggaagtcg gctagactcc cgcactgaaa actgcctctc tagctgtgtg      180

gatcgcttca ttgacactac tcttgccatc accggtcggt ttgcccagat cgtacagaaa      240

ggagggcagt ag                                                          252


<210>   68
<211>   24
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   Description of Artificial Sequence:   cloning primer for MM_23

<400>   68
atggccgagc ttggtgaagc ggac                                              24
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<210> 69
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: cloning primer for MM_23

<400> 69
ctgccctcct ttctgtacga tctg   24